

Minerals ▪ *Review and Reinforce*

Properties of Minerals

Understanding Main Ideas

Fill in the blanks in the table below.

Mineral Property	Test
1. _____	Perform scratch test
Color	Observe surface of mineral
2. _____	Observe color of powder on unglazed tile
Luster	Observe how mineral reflects light
3. _____	Find mass per unit volume
4. _____	Observe number and angle of crystal faces
Cleavage and Fracture	Break mineral apart to see if it splits along flat surfaces

Answer the following questions on a separate sheet of paper.

- List the five characteristics necessary for a substance to be a mineral.
- Explain why each mineral has its own properties, different from every other mineral.

Building Vocabulary

Match each term with its definition by writing the letter of the correct definition on the line beside the term in the left column.

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| _____ 7. cleavage | a. how a mineral reflects light from its surface |
| _____ 8. streak | b. a substance composed of a single kind of atom |
| _____ 9. luster | c. the property of splitting evenly along flat surfaces |
| _____ 10. fracture | d. how a mineral breaks apart when it does not split evenly |
| _____ 11. Mohs hardness scale | e. the repeating pattern of a mineral's particles in a solid |
| _____ 12. crystal | f. the color of a mineral's powder |
| _____ 13. element | g. a ranking of minerals from softest to hardest |